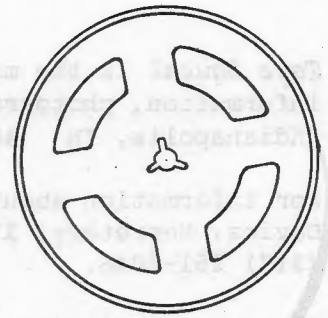


# TAPE SQUEAL



INDIANA RECORDING CLUB, INC.

Volume XXI - Number 2 - February, 1980

## TECHNICAL NOTES

by Gene Eaton, Technical Advisor

### EQUALIZATION — part 1

The first question that pops out is "What's that?" followed by "Why?"

Equalization is a large word that describes a number of systems that are used in audio equipment. These systems vary from quite simple to rather complex in construction, depending on the mode of operation.

A simple system is used in the phono pre-amplifier for the sole purpose of compensating for the characteristics used in the recording process. This characteristic or curve that is used maintains for all frequencies of sound what is called constant velocity from the highest down to 400 cycles. Below this point a constant amplitude to the very lowest frequencies is handled by the system.

The purpose of the constant amplitude used for the low frequencies is to prevent the cutting stylus of the recorder from swinging extremely widely which would cut over the wall between the grooves. This would, of course, ruin the record. This constitutes a form of limiting and for a good purpose. The 400 cycles point is called a crossover since above this frequency there is no limiting required except the constant rate of movement of the surface past the cutting stylus.

The range of frequencies between 400 cps and 1500 cps is generally left alone. At 1500 cps comes the first addition of boost or pre-emphasis for all the high frequencies. Generally a moderate amount of boost is used between 3000 and 6500 cycles. A much

more pronounced boost is added above 6500 cps since above this point the sound frequencies are of low level and easily lost in the noise developed by the cutting process.

In the playback mode a roll-off is used to reduce the boosting of the high frequency sounds, and a boosting network raises the sounds below 400 cps. The system is simple, consisting of only a few parts in conjunction with the first stage of amplification in the pre-amp section of the record player.

The RIAA curve was developed in the late 1950's and was used until recently. Slightly modified on the high roll-off, it specifies the way the material is recorded, its boosting or cutting, and the playback boost and cut. Thus, a total system is used that provides the best sound from records, one which did away with the several crossover points previously used by each manufacturer of records. Since it is used by both the record makers and by the manufacturers of audio equipment, there is no need for the person using a hi-fi system to have a unit with a large number of controls to correct for things. This confusion came to an end and sound quality went up and up, as did the top end high frequency sound capability of both disc and playback equipment. Witness the CD-4 system which works at 30,000 cps to provide quadraphonic sound.

NOTE: "Equalization — part 2" will appear in next month's Tape Squeal

*Tape Squeal* is the monthly newsletter of the Indiana Recording Club. Send all news, information, photographs, etc. to Sharon Moore, Editor, 4215 North Oxford Street, Indianapolis, IN 46205.

For information about membership in the Indiana Recording Club contact William B. Davies, Secretary, 1729 East 77th Street, Indianapolis, IN 46240. Telephone (317) 251-7048.

Please send all changes of address and directory data to Eleanor Davies, 1729 East 77th Street, Indianapolis, IN 46240.

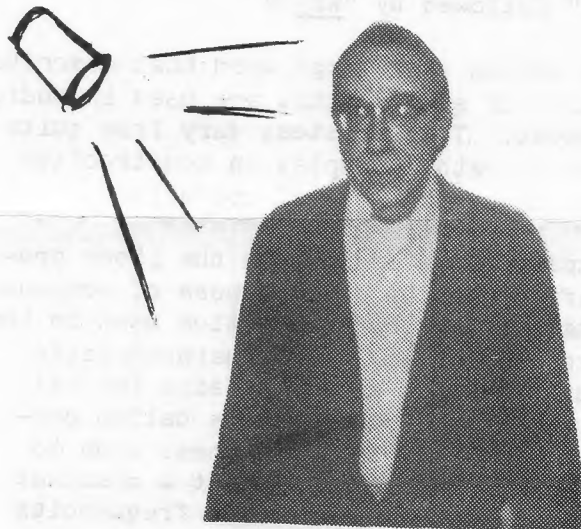
Your Indiana Recording Club Board of Directors consists of Bill Endicott, President; Bill Tillett, Vice-President; Bill Davies, Secretary; Sue Bereman, Treasurer; and Gene Scott, Member.

### TO ALL NEW MEMBERS

When you receive your welcoming tape please return the accompanying postcard to the committee chairman, William Kearney, 2625 W. Jefferson Rd., Kokomo, Indiana 46901.

### IRC SPOTLIGHT

Bill Endicott  
(President)



As is true with most of the INDIANA RECORDING CLUB officers, Bill lives in Indianapolis. His involvement with the club goes back many years, to 1964. Bill relates that when he purchased a tape recorder that year and mentioned it at work, "some guy" asked if he was going to join the recording club. That question led to a multitude of referrals until Bill finally found someone who could tell him about the IRC and give him a membership application, and he's been at it ever since! He says this has been FUN, EXASPERATING, AND CONFUSING at times BUT that there are a lot of NICE PEOPLE that he has met throughout the years. Bill has held many offices throughout the time he has been in IRC: treasurer for 1 year; Music Librarian for 4 years; Vice-President for 1970, 1971; Member of the Board for 1975; and President for "about 100 years," 1973, '74, and '76 to the present. Although being President takes up much of his time, Bill does maintain a more-than-full-time job, too — he is the owner of the Ripple Village Laundry in partnership with his youngest son. Bill and wife Mariellen have three children and five grandchildren. Bill lists as his hobbies 8-mm movies, coin collecting, bowling, and MUSIC, "and, of course, taping." The present Board of IRC, including the committee charimen, says Bill, needs to be commended for its willingness to work hard and its dedication to the IRC, for without the efforts of the entire staff, all of whom are volunteers, the IRC would be unable to function. It is this willingness to work together which has kept the IRC around while others have been forced to fold. Thanks, Bill, for your leadership.

Sharon

## IT WORKS BETTER IF YOU PLUG IT IN!

That's what one of our new members discovered after she made a long distance call to report that she had received a welcome tape from one of Bill Kearney's Welcome Committee members, and the tape was blank. A letter was fired off to Bill to see that she was sent a tape with something on it, and then she discovered, to her embarrassment, that her recorder hadn't been plugged in.

We won't embarrass her any more by giving her name, but we do want to let her know that now she is a true member of the club, because most of us have found over the years, that there is a lot of truth in Murphy's Law, "If anything can happen, it will!"

## VOICE OF HISTORY LIBRARY

### New Additions:

VH-81. Victory at Sea, narrated by Alexander Scourby. Cassette. Donated by ELMER FUEHR.

VH-82. The Sound of War, by Westinghouse. Cassette. Donated by G.E.MARRION.

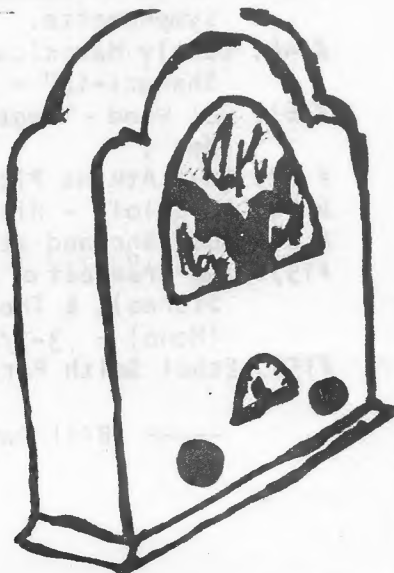
----- Bob Geer, V. of H. Librarian

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## SILENT MIKE

Kevin Robbins IRC #1980  
January 12, 1980

We have received word from Kevin's mother that a six-year battle with kidney failure has ended. Although an official member for only a short time, Kevin has taped with IRC members for quite a while. His mother thanks all who helped him these last years, and our prayers go out to her in her sorrow.



Have you ordered  
from the OTR  
library lately?

G. E. Marrion

## MUSICAL MEMORIES

(thanks to G. E. Marrion)

Did you know that:

Charlie Barnet led his own band at the age to 16?

Bunny Berigan played with Hal Kemp, Rudy Vallee, Dorseys, and B. Goodman?

Les Brown went from a college band to his own at the Hotel Edison, N.Y.?

Bob Chester was accused of imitating Glenn Miller?

Larry Clinton had "10:30" lips?

Xavier Cugat once was a newspaper cartoonist?

Dorsey Brothers once played in Scranton Sirens band?

Eddy Duchin once attended pharmacy school?

Skinney Ennis was really Edgar Clyde Ennis, Jr?

Shep Fields started out to be a lawyer?

Benny Goodman was one of 11 children?

Sammy Kaye had his own nightclub — The Varsity Inn?

Guy Lombardo was once a violinist?

Freddy Martin once sold saxophones (and tried to sell one to Lombardo)?

Vaughn Monroe once studied to be an opera singer?

Ozzie Nelson started out to be a lawyer?

Alvino Rey was a member of Horace Heidt's Musical Knights?

Rudy Vallee graduated from Yale?

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## PRESIDENT'S MIC

How would you like to have your picture seen and your voice heard by approximately 250,000 people, and help your club at the same time? You can - and here's how:

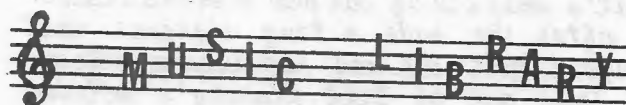
Next November the IRC will again have a booth set up at the Indianapolis Christmas Gift and Hobby Show. We have to start early, folks! This is our annual IRC membership drive. We are always on the alert for new members, but the hobby show is the big drive for the year. We not only acquaint people with our hobby, we also tell them about our club.

For those of you who would like to participate, and we hope you will, we are asking for a slide of yourself and a 45 to 60 second narration on a three inch tape or a cassette. Tell why you enjoy the IRC and/or the taping hobby.

All tapes must start with your name, city and state if you live in the U.S. If you live outside the U.S., your name, city and country. No street addresses please. All slides will become club property to be used for future hobby shows. Should you want your tapes returned to you, you must send a self addressed, stamped envelope.

All tapes and slides must be in by July 31, 1980. Please send them to me, Bill Endicott, 5629 Hillside Ave., Indianapolis, Indiana, 46220, U.S.A.

We are hoping for a lot of participation in this project, not only from members here in the U.S., but from our overseas members as well. I hope to see and hear from you soon - - or Hey, Hey, Hey, don't delay. Get those tapes and slides in right away!!!!



### New additions:

- C-74. "Those Were the Days", Part 1. Music of the turn of the century. (Dolby)
  - C-75. "Those Were the Days", Part 2. " Donated by ELMER FUEHR.
  - C-76. "No, No, Nanette" - Broadway Cast.
  - C-77. Johnny Cash in the Holy Land, & Glenn Campbell, "Rhinstone Cowboy". Dolby
  - C-78. Trapp Family Christmas. Dolby
  - C-79. Johnny Cash Christmas, 1979, and Living Voices, #1. C-90
  - C-80. Johnny Cash Christmas, 1979, and Living Voices, #2.
- These five donated by WALLY KENNEDY
- #428. "That Unmistakeable Sound", & "Music from the Great Gatsby" by Billy Ter-nent Orch. Also Joe Venuti, Violin, & others playing "Lover", "Satin Doll" & more. 7" @ 3-3/4 ips. Do-nated by KENNETH GARDNER.

Nine tapes have been withdrawn from the library for various reasons. Six of them had been damaged, one was never returned by the borrower (he is no longer in the club), and two were lost by the postoffice. These tapes have now been replaced with nine others:

- # 27. "Symphony of the Birds" - Music com-bined with the sounds of exotic South American birds.
- # 36. "Radio's Famous Themes" - Longines Symphonette.
- # 44. Lonely Harpsichord, "Rainy Night in Shangri-la" - Jonathan Knight.
- # 61. Del Wood - "Ragtime South of the Bor-der".
- # 62. Chet Atkins Picks his Best.
- # 74. Al Caiola - His Golden Guitar.
- # 84. Judy Garland at Home at the Palace.
- #157. The Greatest of Al Jolson (Electronic Stereo), & The Best of Eddie Cantor. (Mono) - 3-3/4 ips.
- #158. Ethel Smith Parade - (Elec. organ)

----- Bill Davies, Music Librarian

# TRADING POST

**Free notices for IRC members, concerning tape and related items to sell, buy, trade, etc.**

GENE EATON D-24 — would like to have some 8-track tapes converted to cassette stereo and will supply cassettes and postage for return of both.

LEW CRISPELL S-13 — is interested in a taped copy of the Grand Ole Opry from WSM, Nashville, Tenn. on 12-31-79.

ROBBIE DEHNER S-43 — would like the Buffalo Bills "Music Man" and Ronnie Aldrich "This time we almost made it" (the entire record).

VERNON DAVIS D-23 — would be interested in contacting anyone in the Indianapolis area who would be interested in daytime activities such as dubbing sessions or tape talking and general get together.

HERB STINSON D-51 — would like to exchange dixieland and jazz music with anyone who might be interested. Has lots to share and is looking for such artists as Bob Scoby, Turk Murphy and Muggsy Spanier, Wingy Manone and any good dixieland bands.

CLAUDE BESEMER D-52 — has for sale empty plastic reels: 5" with 3" hub, 10¢; 5" regular 25¢; 7" regular 40¢. No charge for shipping.

LEW CRISPELL S-13 — would like to enchange country and western music on cassette or 8-track with any interested party.

BOB BLOME S-46 — would like to contact anyone who might have recorded the Purdue Radio network's broadcast of the Purdue-Tennessee Blue Bonnett Bowl football game.

DENNIS BURCHER S-78 — would like to inform the Indy area members that his hobby of repairing Hi-Fi and stereo equipment has grown into a business - F+B Electronic Specialists, Inc. - which specializes in audio equipment. He invites anyone in the area who might be interested in the services to call between 5:30 and 9:00pm on week-nights and anytime on Saturdays.

## HELP NEEDED!

ROBERT SCHWICHTENBERG D-87 — is planning a trip through the USA starting at the end of May and lasting for approximately 60 days. He will be traveling along the following itinerary and needs answers to the following questions. "New York to Philadelphia - Reading, Penn. - Harrisburg - Baltimore, Md. - Washington, DC - Dayton, Ohio - Indianapolis - St. Louis, Mo. - Nashville, Tenn. - south Alabama to New Orleans, La. - Dallas, Tex. - Ft. Worth - San Antonio - El Paso - Albuquerque, NM. - Gallup into Colorado/Utah Road 666: Monticello, Utah - through the Monument Valley, Arizona - Grand Canyon - Phoenix - Los Angeles, Ca. - San Francisco - Death Valley - Las Vegas, Nev. - Salt Lake City, Utah - Yellowstone Park - east or southeast to Denver, Col. - through Kansas (road no. 50) - St. Louis - Chicago, Ill. - Dayton, Ohio - Cleveland, Ohio - Buffalo, NY - Niagara Falls - New York." Questions: "How long do I have to take time for this trip? Can I make it within 60 days? Are there any IRC members who will send maps from these areas (preferably those issued by Chevron, Phillips, Sunoco, etc. and done by the H.M.Gousha Company.) Also I would like information from those cities I am passing. The cities I mentioned are points my wife and I will stay in, but the ways to go are variable."

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## ORAL HISTORY

One of the biggest advantages of this modern-day age of electronics is the tape recorder. With this marvelous tool one is able to preserve for posterity the voices and remembrances of times past and present. Bill Kearney and Jerry Johnson have both sent in articles lately dealing with the acquisition of oral history. In fact, Bill is the president of the Indiana Oral History Association. Here are some hints from the Association's booklet "History on Tape" which are applicable for any taping session:

1. Have an idea of the topics to be covered;
2. Keep your equipment in good repair;
3. Be patient with the narrator of the tale — don't "jump in" with other questions;
4. Listen to the narrator and respond to his answers to previous questions;
5. Be flexible. Relax. HAPPY TAPING!

## SCHEDULED MEETINGS

Regularly scheduled meetings of the INDIANA RECORDING CLUB are held on the third Sunday of each month at 2:00pm in the basement meeting room at the Leppert & Copeland Mortuary (740 E. 86th Street) in INDIANAPOLIS.

\* \* \* GUESTS ARE WELCOME!!!! \* \* \*

## This Month---

### FEBRUARY 17TH

IRC technical advisor Gene Eaton will present a program on speakers and other audio-type things. Can your ears take it?

## & Next---

### MARCH 16TH

Hal Trosper will present a tape-slide show on Asia and Taiwan. We'll be looking forward to meeting you and your guests for the show and for the "3-C's" (coffee, cookies, and conversation) following.

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### JANUARY

More than 40 people were lucky enough to see Vern Klingler's presentation on "A Living Adventure in Iran" at the IRC meeting on January 20. Many thanks to Vern for the show, and to HIS FRIENDS who helped to make the show possible. Vern is a former IRC'er who rejoined, so we welcome him back to the fold.

### MAILING LABELS

two color with IRC logo

Reel size: 3 1/2 x 4 1/4

Cassette size: 2 1/4 x 4

Price - \$1.75/100 - either size

Order from BOB GEER

1155 MAYNARD DRIVE

INDIANAPOLIS, IN. 46227

When ordering, please specify size.

## IRC DIRECTORY Is Too FAT!

### NEW STREAMLINED DIRECTORY IS COMING

Yes, all the supplement pages for listing new members, changes of address, etc., added in the last two years, have resulted in the directory putting on weight, so the time has come to trim away a little of the excess avoirdupois, by issuing a new directory.

This will be done as soon as enough time has elapsed to give everybody, including overseas members, an opportunity to return the questionnaires which were sent out with last month's Tape Squeal.

There is a space on the questionnaire for identifying a cassette recorder or deck as "mono" or "stereo". This designation was eliminated in the present directory, but a few complaints were received, so we're putting it back in.

If your present listing is O.K., do not return the questionnaire, but if you want anything changed, please return it as soon as possible if you have not already done so.

----- Eleanor Davies, Directory Manager

### LIBRARIES NEED YOU!

*Don't forget the IRC libraries! The Music Library, the Creative Library, the Voice of History Library, and the Old Time Radio Library are maintained for you! USE THEM for enjoyment and education. See page 5 of the Directory for the address of the librarian you wish to order from.*

### INDIANA RECORDING CLUB

Sharon Moore, Editor

4215 North Oxford St.

Indianapolis, IN 46205

Bulk Rate

U.S. Postage

PAID

Indianapolis, IN

Permit No. 5217

TO:

Joseph P. Hehn

422 N. 9th St.

Allentown, Pa., 18102

2-79

ADDRESS CORRECTION REQUESTED